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(FILE 'HOME' ENTERED AT 06:13:38 ON 16 NOV 2000)  
SET COST OFF

FILE 'HCAPLUS' ENTERED AT 06:13:47 ON 16 NOV 2000

L1           20 S E4,E5  
              E BOTTS M/AU  
L2           7 S E3,E5,E7  
              E KOHN F/AU  
L3           299 S E3,E27,E28,E77-E80  
              E MONSANTO/PA,CS  
              E MONSANT/PA,CS  
L4           13849 S E3-E11  
L5           44264 S ?TRIAZOL?  
L6           114 S L1-L4 AND L5  
L7           811 S HETEROCYC?/SC,SX AND L1-L4  
L8           897 S L6,L7  
L9           35 S L8 AND ?FUNG?  
L10           0 S L9 AND POLYM?/SC,SX  
L11           0 S L9 AND PLAST?/SC,SX  
L12           16 S L9 AND 5/SC,SX  
L13           9 S L9 AND AGR/RL  
L14           2 S L9 AND ?POLYM?  
L15           5 S L6 AND L9  
L16           31 S L6 AND ?POLYM?  
L17           36 S L15,L16  
L18           393 S BITERTANOL  
L19           56 S BROMUCONAZOL?  
L20           226 S CYPROCONAZOL?  
L21           171 S DIFENOCONAZOL?  
L22           90 S EPOXICONAZOL?  
L23           72 S FENBUCONAZOL?  
L24           59 S FLUQUINCONAZOL?  
L25           283 S FLUSILAZOL?  
L26           225 S FLUTRIAFOL?  
L27           200 S HEXACONAZOL?  
L28           21 S IMIBENCONAZOL?  
L29           68 S METCONAZOL?  
L30           286 S MYCLOBUTANIL?  
L31           268 S PENCONAZOL?  
L32           884 S PROPICONAZOL?  
L33           463 S TEBUCONAZOL?  
~~L34           78 S TETRACONAZOL?~~  
L35           1119 S TRIADIMEFON?  
L36           756 S TRIADIMENOL?  
L37           52 S TRITICONAZOL?

Point of Contact:  
Jan Delaval  
Librarian-Physical Sciences  
CM1 1E01 Tel: 308-4498

FILE 'REGISTRY' ENTERED AT 06:27:10 ON 16 NOV 2000

L38           20 S 55179-31-2 OR 116255-48-2 OR 94361-06-5 OR 119446-68-3 OR 133  
L39           875 S (55179-31-2 OR 116255-48-2 OR 94361-06-5 OR 119446-68-3 OR 13  
L40           318 S (43121-43-3 OR 55219-65-3 OR 131983-72-7)/CRN  
L41           1172 S L39,L40  
L42           4 S L41 AND PMS/CI  
L43           1168 S L41 NOT L42

FILE 'HCAPLUS' ENTERED AT 06:31:06 ON 16 NOV 2000

L44           3967 S L38  
L45           3 S L1-L4 AND L18-L37,L44  
L46           1 S L45 AND ?POLYM?  
L47           1 S L45 AND POLY?  
L48           1 S L46,L47  
              SEL RN

FILE 'REGISTRY' ENTERED AT 06:41:27 ON 16 NOV 2000

L49 36 S E1-E36  
L50 33 S L49 NOT L38  
L51 1 S 514-10-3  
L52 144 S 514-10-3/CRN  
L53 1 S 9002-85-1  
L54 1798 S (75-35-4 OR 75-35-4/CRN) NOT L53  
L55 1 S 9002-86-2  
L56 4615 S (75-01-4 OR 75-01-4/CRN) NOT L55  
L57 1 S 9003-20-7  
L58 12334 S (108-05-4 OR 108-05-4/CRN) NOT L57  
L59 1 S 9003-39-8  
L60 6868 S (88-12-0 OR 88-12-0/CRN) NOT L59  
L61 1 S 9004-34-6  
L62 1 S 9004-36-8  
L63 1 S 9004-38-0  
L64 1 S 9004-57-3  
L65 5830 S 9004-34-6/CRN NOT L61-L64  
L66 1 S 9011-13-6  
L67 25 S (100-42-5/CRN AND 108-31-6/CRN) AND 2/NC NOT L66  
L68 1 S 9011-14-7  
L69 53221 S (80-62-6 OR 80-62-6/CRN) NOT L68  
L70 1 S 9012-09-3  
L71 5829 S L65 NOT L70  
L72 1 S 24980-41-4  
L73 1 S 25248-42-4  
L74 1 S 26063-00-3  
L75 141 S (300-85-6 OR 300-85-6/CRN) NOT L74  
L76 1 S 31621-87-1  
L77 3 S C4H6O3/MF AND OCOC3/ES  
L78 133 S (87683-81-6 OR 5962-32-3 OR 2453-03-4)/CRN  
L79 1 S 34346-01-5  
L80 1 S 26100-51-6  
L81 15 S L50 NOT L51, L53, L55, L57, L59, L61-L64, L66, L67, L68, L70, L72, L73, L  
L82 19 S (C5H10O3 AND C4H8O3) AND PMS/CI AND 2/NC  
L83 23 S (15802-18-3 OR 15802-18-3/CRN) NOT L81  
L84 3 S (28551-45-3 OR 28551-45-3/CRN) NOT L81  
L85 5 S (6893-26-1 OR 617-65-2 OR 56-86-0)/CRN AND PMS/CI AND 1/NC  
L86 3 S L85 AND C5H9NO4 NOT DECAMER  
L87 997 S (6893-26-1 OR 617-65-2 OR 56-86-0)/CRN NOT L86  
L88 1 S 25322-69-4  
L89 5 S 107-25-5/CRN AND C4H4O4 AND PMS/CI AND 2/NC  
L90 4 S 108-05-4/CRN AND 88-12-0/CRN AND 2/NC  
E (C5H7NO3)N/MF  
L91 7 S E3 AND IMINO AND CARBOXYETHYL  
L92 5 S L91 NOT D/ELS  
L93 14 S 106-99-0/CRN AND 100-42-5/CRN AND 2/NC  
L94 2 S 1617-18-1/CRN  
L95 17465 S 100-42-5/CRN AND (79-41-4 OR 79-10-7)/CRN  
L96 16 S L95 AND 2/NC  
L97 8 S L96 AND (C4H6O2 OR C3H4O2)  
E VINYL ACETATE/CN  
L98 1 S E3  
E ETHYLENE/CN  
L99 1 S E3  
L100 6 S (74-85-1 AND 108-05-4)/CRN AND 2/NC  
L101 6 S 9003-01-4 OR 25087-26-7 OR 25750-36-1 OR 25584-52-5 OR 25568-  
E POLYVINYL ALCOHOL/CN  
E POLY(VINYL ALCOHOL/CN  
L102 1 S E6  
L103 15 S 189943-94-0 OR 153439-97-5 OR 146447-66-7 OR 142227-56-3 OR 1  
L104 6 S 106989-11-1 OR 26811-96-1 OR 26100-51-6 OR 223250-55-3 OR 223  
L105 5 S 227186-48-3 OR 85075-50-9 OR 33135-50-1 OR 26680-10-4 OR 2503  
L106 5 S 26023-30-3 OR 85114-66-5 OR 85066-50-8 OR 26917-25-9 OR 26161  
L107 3 S 26202-08-4 OR 26124-68-5 OR 26009-03-0  
L108 129 S L51, L53, L55, L57, L59, L61-L64, L66, L67, L68, L70, L72, L73, L74, L76, L

SAV L38 LEVY326/A  
SAV L108 LEVY326A/A

FILE 'HCAPLUS' ENTERED AT 08:28:48 ON 16 NOV 2000

L109 481767 S L108  
L110 87 S L18-L37,L44 AND L109  
L111 70 S L110 AND (PD<=19970630 OR PRD<=19970630 OR PRD.B<=19970639 OR  
L112 59 S L111 AND 5/SC,SX  
L113 20 S L111 AND AGR/RL  
L114 36 S L111 AND ?FUNG?  
L115 1 S L111 AND L1-L4  
L116 65 S L112-L115  
L117 5 S L111 NOT L116  
L118 5 S L116 NOT L112,L113  
L119 4 S L118 NOT 4/SC,SX  
L120 1 S L118 NOT L119  
L121 64 S L116 NOT L120  
L122 14 S L121 AND US/PC  
L123 13 S L121 AND US/DS  
L124 14 S L121 AND US/AC  
L125 11 S L121 AND US/PRC  
L126 25 S L122-L125  
L127 39 S L121 NOT L126

=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 08:36:17 ON 16 NOV 2000  
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FILE COVERS 1967 - 16 Nov 2000 VOL 133 ISS 21  
FILE LAST UPDATED: 15 Nov 2000 (20001115/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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Now you can extend your author, patent assignee, patent information, and title searches back to 1907. The records from 1907-1966 now have this searchable data in CAOLD. You now have electronic access to all of CA: 1907 to 1966 in CAOLD and 1967 to the present in HCAPLUS on STN.

=> d l126 bib abs hitrn tot

L126 ANSWER 1 OF 25 HCAPLUS COPYRIGHT 2000 ACS  
AN 1999:42564 HCAPLUS  
DN 130:91677  
TI Microparticles containing pesticides  
IN **Botts, M. Francis**; Kohn, Frank C.; **Miller, Maria L.**  
PA **Monsanto** Company, USA  
SO PCT Int. Appl., 78 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9900013	A2	19990107	WO 1998-US13378	19980626 <--
	WO 9900013	A3	19990325		
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9881727	A1	19990119	AU 1998-81727	19980626 <--
	EP 994650	A2	20000426	EP 1998-931664	19980626 <--
	R: BE, DE, FR, GB				
	ZA 9805674	A	19990113	ZA 1998-5674	19980629 <--
	BR 9803712	A	19991221	BR 1998-3712	19980630 <--
PRAI	US 1997-51285		19970630 <--		
	US 1998-104565		19980625 <--		
	WO 1998-US13378		19980626		
AB	One or more agricultural active ingredients (such as <b>fungicides</b> or insecticides) are entrapped in polymeric matrixes to form microparticles having a diam. 0.2-200 .mu.m. Suitable polymer matrixes are poly(Me methacrylate), poly(lactic acid), poly(lactic acid-glycolic acid), cellulose acetate butyrate, polystyrene, etc. The microparticles are applied to soil, to seeds, or to plants and release the active ingredient(s) at a rate sufficiently low to avoid phytotoxicity, but at a rate sufficiently high to provide effective amts. of the active ingredient(s), preferably throughout the growing period of the plant.				
IT	<b>514-10-3D</b> , Abietic acid, polymers <b>1617-18-1D</b> , polymers <b>9002-85-1</b> , Poly(vinylidene chloride) <b>9002-86-2</b> , PVC <b>9003-17-2</b> <b>9003-20-7</b> , PVA <b>9003-39-8</b> , PVP <b>9003-53-6</b> <b>9003-55-8</b> <b>9004-34-6D</b> , Cellulose, hydroxyalkyl derivs. <b>9004-36-8</b> , Cellulose acetate butyrate <b>9004-38-0</b> , Cellulose acetate phthalate <b>9004-57-3</b> , Ethylcellulose <b>9011-13-6</b> , Poly(styrene-maleic anhydride) <b>9011-14-7</b> , Poly(methyl methacrylate) <b>9012-09-3</b> , Cellulose triacetate <b>24980-41-4</b> , Polycaprolactone <b>24991-23-9</b> <b>25086-89-9</b> <b>25153-40-6</b> <b>25248-42-4</b> , Polycaprolactone <b>25322-68-3</b> <b>25513-46-6</b> <b>26023-30-3</b> , Poly[oxy(1-methyl-2-oxo-1,2-ethanediy)] <b>26063-00-3</b> , Polyhydroxybutyrate <b>26100-51-6</b> , Poly(lactic acid) <b>26744-04-7</b> <b>28551-45-3</b> <b>31621-87-1</b> , Polydioxanone <b>34346-01-5</b> , Poly(lactic acid-glycolic acid) <b>46492-28-8</b> <b>75268-90-5</b> <b>128171-16-4</b> RL: MOA (Modifier or additive use); USES (Uses) (matrix in pesticide microparticles)				
IT	<b>94361-06-5</b> , <b>Cyproconazole</b> <b>107534-96-3</b> , <b>Tebuconazole</b> <b>133855-98-8</b> RL: <b>AGR (Agricultural use)</b> ; BIOL (Biological study); USES (Uses) (microparticles contg.)				

L126 ANSWER 2 OF 25 HCAPLUS COPYRIGHT 2000 ACS

AN 1998:734965 HCAPLUS

DN 130:1335

TI Latex-based pesticidal compositions of incompatible ingredients.

IN Smith, Geoffrey W.; Mulqueen, Patrick J.; Paterson, Eric S.; Cuffe, John

PA Dow Agrosiences LLC, USA

SO U.S., 10 pp., Cont. of U.S. Ser. No. 469,427.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI US 5834006 A 19981110 US 1991-790729 19911108 <--  
 PRAI US 1990-469427 19900405 <--

AB An agricultural compn., for example, a herbicidal, insecticidal or **fungicidal** compn., comprising at least a first active pesticidal component, and at least one other active component, the other active component being physicochem., chem., or biol. incompatible with the first pesticidal component. The compn. is in the form of a latex dispersion, contg. at least one emulsifying surfactant and having a continuous aq. phase, and at least a first dispersed phase. The first dispersed phase contains particles derived from a latex, and the first pesticidal component is present in the compn. wholly within the first dispersed phase. The other active ingredient is present within the continuous phase, or within a second dispersed phase. Suitable polymer latexes are Vinamul 3452, Dow Latex DL420, Dow Latex DL893, etc.

IT 60207-90-1, Propiconazole 88671-89-0,

**Myclobutanil**

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (latex-based compns. of incompatible pesticides)

IT 9003-55-8, Dow Latex DL893

RL: MOA (Modifier or additive use); USES (Uses)  
 (latex-based compns. of incompatible pesticides)

RE.CNT 14

RE

- (1) Anon; GB 0658222 1949
- (6) Anon; JP 58072501 1983 HCAPLUS
- (7) Anon; GB 2138291 1984 HCAPLUS
- (11) Feinberg; US 3400093 1968 HCAPLUS
- (13) Meyers; US 4818536 1989 HCAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L126 ANSWER 3 OF 25 HCAPLUS COPYRIGHT 2000 ACS

AN 1998:631487 HCAPLUS

DN 129:250227

TI Use of redispersible polymer powders or polymer granules for coating pharmaceutical or agrochemical dosage forms

IN Kolter, Karl; Tiefensee, Kristin; Stadler, Reinhold; Zeitz, Katrin

PA BASF A.-G., Germany

SO Ger. Offen., 8 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19709532	A1	19980917	DE 1997-19709532	19970310 <--
	EP 868912	A2	19981007	EP 1998-103625	19980302 <--
	EP 868912	A3	19990915		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	CA 2228818	AA	19980910	CA 1998-2228818	19980306 <--
	JP 10306041	A2	19981117	JP 1998-57646	19980310 <--
	US 6046277	A	20000404	US 1998-37791	19980310 <--
	AU 9858359	A1	19980910	AU 1998-58359	19980311 <--
PRAI	DE 1997-19709532		19970310 <--		
AB	Instant-release or controlled-release solid dosage forms are coated with a powd. or granular compn. contg. poly(vinyl acetate) 10-95, a N-vinylpyrrolidone-contg. polymer 5-90, an addnl. water-sol. or water-swellable material 0-20, a water-insol. dusting agent 0-20 wt.%, and optional additives to provide precise control over release of the active agent. The coating compn. is prepd. by emulsion polymn. of vinyl acetate, addn. of the N-vinylpyrrolidone-contg. polymer and additives to the poly(vinyl acetate) dispersion, and spray drying. The dusting agent (e.g. microcryst. cellulose, highly disperse silicic acid, talc, bentonite, Mg stearate, Ca phosphate) prevents clumping of the spray-dried product. Thus, theophylline pellets were spray-coated with a mixt. of TiO2 0.5, talc 4.0, Sicovit Red 30 0.5, a redispersible powder contg. poly(vinyl				

acetate) 80 and PVP 20 parts and 5.0 wt.% poly(vinyl alc.) 15.0, and H2O 80.0 wt.% to provide a slow-release prepn.

IT **25322-68-3**, Polyethylene glycol

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(Lutrol E 6000; redispersible polymer powders or granules for coating pharmaceutical or agrochem. dosage forms)

IT **133855-98-8**, Epoxiconazole

RL: **AGR (Agricultural use)**; BIOL (Biological study); USES (Uses)

(redispersible polymer powders or granules for coating pharmaceutical or agrochem. dosage forms)

IT **9002-89-5**, Poly(vinyl alcohol) **9003-20-7**, Poly(vinyl

acetate) **9003-39-8**, PVP **9004-34-6**, Cellulose, biological studies **9004-34-6D**, Cellulose, derivs.

**25086-89-9**

RL: **AGR (Agricultural use)**; THU (Therapeutic use); BIOL

(Biological study); USES (Uses)

(redispersible polymer powders or granules for coating pharmaceutical or agrochem. dosage forms)

L126 ANSWER 4 OF 25 HCAPLUS COPYRIGHT 2000 ACS

AN 1998:608363 HCAPLUS

DN 129:212970

TI Pesticide compositions with a redispersible polymer

IN Schindler, Frederick James; Guo, Yili; Pierce, Gregory C.; Quinn, James Allen

PA Rohm and Haas Co., USA

SO Eur. Pat. Appl., 12 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 862856	A1	19980909	EP 1998-301209	19980219 <--
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	ZA 9801371	A	19980825	ZA 1998-1371	19980219 <--
	AU 9856364	A1	19980903	AU 1998-56364	19980227 <--
	BR 9800797	A	20000502	BR 1998-797	19980227 <--
	JP 10265301	A2	19981006	JP 1998-66055	19980303 <--
	CN 1195472	A	19981014	CN 1998-100475	19980303 <--
PRAI	US 1997-38134		19970303 <--		
AB	The invention relates to pesticide compns. comprising a pesticide and a redispersible polymer. The latter comprises a water-insol. polymer, made of ethylene and vinyl esters, and a water-sol. polymer. The pesticide is mancozeb, maneb, ziram, chlorothalonil, copper hydroxide, myclobutanil, fenbuconazole, captan, carbaryl, etc.				
IT	<b>88671-89-0</b> , Myclobutanil <b>114369-43-6</b> , Fenbuconazole				
	RL: <b>AGR (Agricultural use)</b> ; BIOL (Biological study); USES (Uses)				
	(pesticide compns. with a redispersible polymer)				
IT	<b>9002-89-5</b> , Polyvinyl alcohol				
	RL: MOA (Modifier or additive use); USES (Uses)				
	(redispersible polymer in pesticide compns.)				

L126 ANSWER 5 OF 25 HCAPLUS COPYRIGHT 2000 ACS

AN 1998:568713 HCAPLUS

DN 129:185473

TI Surfactant compositions for pesticide formulations

IN Reekmans, Steven Irene Jozef; Auda, Mahroussa; Hartmann, Frank Dirk Jozef

PA Imperial Chemical Industries PLC, UK

SO PCT Int. Appl., 20 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9835553	A1	19980820	WO 1998-GB459	19980213 <--
	W: AU, BR, CA, CN, ID, JP, KR, MX, NZ, SG, TR, US				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	ZA 9801030	A	19980814	ZA 1998-1030	19980209 <--
	AU 9862226	A1	19980908	AU 1998-62226	19980213 <--
	EP 959681	A1	19991201	EP 1998-904280	19980213 <--
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
PRAI	GB 1997-3054		19970214 <--		
	WO 1998-GB459		19980213		
OS	MARPAT 129:185473				
AB	Compns. of dispersed-phase pesticides, particularly phytoactives, such as growth regulators and/or herbicides, or pesticides, such as insecticides, <b>fungicides</b> , or acaricides, include as adjuvant a branched primary alc. alkoxyate [CH <sub>3</sub> (CH <sub>2</sub> ) <sub>n</sub> ][CH <sub>3</sub> (CH <sub>2</sub> ) <sub>m</sub> CH[(CH <sub>2</sub> ) <sub>p</sub> O(AO)qH] (n = 1-13; p = 1 or 2; q = 2-30; C <sub>2</sub> -4 alkylene oxide). The pesticide can be present as dispersible granules or dissolved or dispersed in an oil. The compns. can be concs. or dild. sprayable compns. A particularly convenient form of compn. is as dispersible granules.				
IT	<b>60207-90-1, Propiconazole</b>				
	RL: <b>AGR (Agricultural use)</b> ; BIOL (Biological study); USES (Uses) (surfactant adjuvant for formulations of)				
IT	<b>25322-68-3D, PEG, C12-15 alkyl ethers</b>				
	RL: MOA (Modifier or additive use); USES (Uses) (surfactant adjuvant for pesticide formulations)				

L126 ANSWER 6 OF 25 HCAPLUS COPYRIGHT 2000 ACS

AN 1998:268418 HCAPLUS

DN 128:326256

TI Method for removing pesticides and/or phytodrugs from liquids using cellulose, chitosan and pectolignincellulosic material derivatives

IN Pifferi, Piergiorgio; Spagna, Giovanni; Manenti, Italo

PA I.N.P. - Industrial Natural Products S.R.L., Italy; Pifferi, Piergiorgio; Spagna, Giovanni; Manenti, Italo

SO PCT Int. Appl., 17 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9817386	A1	19980430	WO 1997-IB1329	19971023 <--
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9745692	A1	19980515	AU 1997-45692	19971023 <--
PRAI	IT 1996-BO536		19961024 <--		
	WO 1997-IB1329		19971023		
AB	The method for removing pesticides and/or phytodrugs from alimentary liqs., from drinkable and superficial waters and from waste waters includes that such liqs. are treated with chitin, or with alkyl and aryl deriv. of cellulose, of hemicellulose, of chitin, of chitosan, of pectin and of pectolignincellulosic materials. After treatment with such powdery adsorbents for 24 h at a concn. of 10-4000 g for hectoliter of treated liq., and at temps. .ltoreq.60.degree., the adsorbent is sepd. from the liq. getting the removal of the phytodrugs and/or pesticide .ltoreq.100 % of their initial value.				
IT	<b>9012-09-3, Cellulose triacetate</b>				
	RL: NUU (Nonbiological use, unclassified); TEM (Technical or engineered				

material use); USES (Uses)

(method for removing pesticides and/or phytodrugs from liqs. using cellulose and chitosan and pectolignincellulosic material)

IT **55219-65-3, Triadimenol 66246-88-6, Penconazole**

RL: REM (Removal or disposal); PROC (Process)

(removal of pesticides and/or phytodrugs from liqs. using cellulose and chitosan and pectolignincellulosic material)

L126 ANSWER 7 OF 25 HCAPLUS COPYRIGHT 2000 ACS

AN 1997:740064 HCAPLUS

DN 127:342939

TI Pesticide powder formulation for seed and foliar treatment of plants

IN Dao-Cong, Dong; Kelly, Heather Leigh

PA Uniroyal Chemical Company, Inc., USA; Uniroyal Chemical Ltd./uniroyal Chemical Ltee

SO PCT Int. Appl., 51 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9740668	A1	19971106	WO 1997-US5885	19970409 <--
	W: CA, YU				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 5719103	A	19980217	US 1996-642832	19960502 <--
	<u>EP 900005</u>	A1	19990310	EP 1997-921126	19970409 <--
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
PRAI	US 1996-642832		19960502 <--		
	WO 1997-US5885		19970409 <--		

AB Water-dispersible powder formulations are given for seed and foliar treatment of plants, which provide excellent dust and rub-off control. The powder formulations comprise an active ingredient, a wetting agent, a dispersant, an anticaking agent, and an adhesion ingredient, selected from sodium salt of a polyacrylic acid, a sodium salt of maleic acid/acrylic acid copolymer, polyvinyl pyrrolidone, an alkylated polyvinyl pyrrolidone, and mixts. thereof. The wetting agent is present in an amt. that is effective for enabling the powder formulation to be wettable by cold water. The dispersant is present in an amt. that is effective for enabling the powder formulation to be dispersible in cold water. The anticaking agent is present in an amt. that is effective for enabling the powder formulation to be re-suspendable in water. The adhesion ingredient is present in an amt. that is effective for enabling the powder formulation to adhere to a plant leaf or seed. The powder formulations are esp. suitable for containment in water sol. and/or water-dispersible bags or pouches, such use tending to render the active ingredient safer to handle and therefore better for consumers and the environment.

IT **9003-39-8, PVP 9003-39-8D, PVP, alkyl derivs.**

RL: MOA (Modifier or additive use); USES (Uses)

(adhesive in pesticide powder formulation for seed and foliar treatment of plants)

IT **107534-96-3, Tebuconazole**

RL: **AGR (Agricultural use)**; BIOL (Biological study); USES (Uses)

(pesticide powder formulation for seed and foliar treatment of plants)

L126 ANSWER 8 OF 25 HCAPLUS COPYRIGHT 2000 ACS

AN 1997:660646 HCAPLUS

DN 127:315771

TI Storage-stable pesticidal aqueous emulsions

IN Hasslin, Hans Walter

PA Ciba-Geigy Corporation, USA

SO U.S., 12 pp. Cont.-in-part of U.S. Ser. No. 948,523, abandoned.

CODEN: USXXAM

DT Patent

LA English



FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5674514	A	19971007	US 1993-105192	19930809 <--
	IL 106994	A1	19980615	IL 1993-106994	19930913 <--
	CA 2106416	AA	19940322	CA 1993-2106416	19930917 <--
	AU 9347474	A1	19940331	AU 1993-47474	19930920 <--
	AU 667397	B2	19960321		
	ZA 9306912	A	19940411	ZA 1993-6912	19930920 <--
	BR 9303830	A	19940607	BR 1993-3830	19930920 <--
	JP 06239702	A2	19940830	JP 1993-257821	19930920 <--
	HU 67569	A2	19950428	HU 1993-2655	19930920 <--
	HU 213458	B	19970630		
	CN 1114855	A	19960117	CN 1993-117403	19930920 <--
	CN 1051204	B	20000412		
	PL 173878	B1	19980529	PL 1993-300439	19930920 <--
	RO 114721	B1	19990730	RO 1993-1254	19930920 <--

PRAI US 1992-948523 19920921 &lt;--

AB Aq. emulsions are described comprising an org. phase of a hydrophobic pesticide or mixt. of pesticides, which are liq. or dissolved in a hydrophobic solvent, and an aq. phase comprising surfactants and/or dispersants. The emulsion is in the form of an aq. conc., and an emulsion-stabilizing amt. of a polymer or polymer mixt. is present, which is more sol. in the org. phase than in the aq. phase.

IT 9003-53-6, Polystyrene 25087-26-7, Polymethacrylic acid

RL: MOA (Modifier or additive use); USES (Uses)

(stabilizer in storage-stable insecticidal aq. emulsions)

IT 60207-90-1, Propiconazole 66246-88-6,

Penconazole

RL: AGR (Agricultural use); BUU (Biological use, unclassified);

BIOL (Biological study); USES (Uses)

(storage-stable insecticidal aq. emulsions)

L126 ANSWER 9 OF 25 HCAPLUS COPYRIGHT 2000 ACS

AN 1997:359122 HCAPLUS

DN 126:326882

TI Fungicidal carbohydrate preparations

IN Fleuren, Robertus

PA Novo Nordisk A/s, Den.; Fleuren, Robertus

SO PCT Int. Appl., 40 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9714310	A1	19970424	WO 1996-DK440	19961014 <--
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG				
	AU 9672794	A1	19970507	AU 1996-72794	19961014 <--
PRAI	DK 1995-1160		19951013 <--		
	WO 1996-DK440		19961014 <--		

AB The invention relates to the use of saccharides or polyols (glucose, fructose, maltose, lactose, trehalose, sorbitol, etc.) as enhancers of fungicides, such as mancozeb, maneb, chlorothalonil and propiconazole. The fungicidal activity is further enhanced by cellulase and hemicellulase.

IT 9004-34-6, Cellulose, biological studies 60207-90-1,

Propiconazole

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(fungicidal activity enhancement by carbohydrates and

enzymes)

L126 ANSWER 10 OF 25 HCAPLUS COPYRIGHT 2000 ACS

AN 1997:353948 HCAPLUS

DN 126:326884

TI Adhesive layer for sustained pesticide release to plants

IN Kloczko, Malgorzata; Roreger, Michael

PA LTS Lohmann Therapie-Systeme GmbH, Germany

SO Ger., 4 pp.

CODEN: GWXXAW

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19601430	C1	19970424	DE 1996-19601430	19960117 <--
	CA 2243479	AA	19970724	CA 1996-2243479	19961223 <--
	WO 9725863	A1	19970724	WO 1996-EP5823	19961223 <--
	W: CA, JP, SI, US				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	EP 877552	A1	19981118	EP 1996-944063	19961223 <--
	EP 877552	B1	19991027		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, FI				
	AT 185945	E	19991115	AT 1996-944063	19961223 <--
	ES 2140918	T3	20000301	ES 1996-944063	19961223 <--
	JP 2000503653	T2	20000328	JP 1997-525630	19961223 <--
	US 6063392	A	20000516	US 1998-101904	19980715 <--
PRAI	DE 1996-19601430		19960117 <--		
	WO 1996-EP5823		19961223 <--		
AB	Thew title layer. which is applied to plants, comprises a pesticide incorporated into and adhesive polymer, such as Collano AGX-23 polyacrylate. The adhesive polymer layer is covered with an impermeable back layer, for protection.				
IT	<b>131983-72-7, Triticonazole</b>				
	RL: <b>AGR (Agricultural use)</b> ; BIOL (Biological study); USES (Uses) (adhesive layer for sustained pesticide release to plants)				
IT	<b>9004-57-3, Ethylcellulose</b>				
	RL: MOA (Modifier or additive use); USES (Uses) (adhesive layer matrix for sustained pesticide release to plants)				

L126 ANSWER 11 OF 25 HCAPLUS COPYRIGHT 2000 ACS

AN 1996:596185 HCAPLUS

DN 125:219612

TI Adjuvants for systemic **fungicides, fungicidal**

compositions which contain them and their use

IN Capuzzi, Luigi; Ferri, Mario; Signorini, Ernesto; Stramacchia, Nicola;

Delestre, Claude; Mirena, Luigi

PA Isagro S.P.A., Italy

SO Eur. Pat. Appl., 14 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 729700	A2	19960904	EP 1996-101810	19960208 <--
	EP 729700	A3	19960925		
	R: BE, DE, DK, ES, FR, GB, GR, IE, NL, PT				
	US 5905072	A	19990518	US 1996-599592	19960209 <--
	JP 08337502	A2	19961224	JP 1996-36844	19960223 <--
PRAI	IT 1995-MI336		19950223 <--		
AB	Adjuvants for systemic <b>fungicides</b> in the form of a stable microemulsion comprise water, a mixt. of Me esters of fatty acids obtained by the transesterification of vegetable oils, an anionic surface-active agent, at least one non-ionic surface-active agent with an HLB of between				

13-18 and a cloud point of >65.degree. and at least one non-ionic surface-active agent with an HLB of between 10 and 12. These adjuvants, which can addnl. contain conventional components and/or formulation additives, improve the activity of systemic **fungicides** belonging to different chem. groups.

IT 43121-43-3 55179-31-2, Bitertanol  
55219-65-3 60207-90-1 66246-88-6,  
Penconazole 76674-21-0, Flutriafol  
79983-71-4, Hexaconazole 88671-89-0,  
Myclobutanil 94361-06-5, Cyproconazole  
112281-77-3, Tetraconazole 119446-68-3,  
Difenoconazole

RL: BAC (Biological activity or effector, except adverse); BIOL  
(Biological study)

(adjuvants for systemic **fungicides**)

IT 9002-89-5, Polyvinyl alcohol 9003-39-8,  
Polyvinylpyrrolidone

RL: MOA (Modifier or additive use); USES (Uses)

(adjuvants for systemic **fungicides**)

L126 ANSWER 12 OF 25 HCAPLUS COPYRIGHT 2000 ACS

AN 1996:473212 HCAPLUS

DN 125:145634

TI Succinic acid derivatives and their manufacture and uses as surfactants in agrochemical formulations, pigment dispersions, and home detergents

IN Anderson, Steven John; Carpenter, Neil Michael

PA Imperial Chemical Industries Plc, UK

SO PCT Int. Appl., 31 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9616930	A1	19960606	WO 1995-GB2785	19951129 <--
	W: AU, BG, BR, CA, CN, CZ, FI, HU, JP, KR, LK, MK, MX, NO, NZ, PL, RO, RU, SG, SI, SK, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	CA 2205867	AA	19960606	CA 1995-2205867	19951129 <--
	AU 9539867	A1	19960619	AU 1995-39867	19951129 <--
	AU 695780	B2	19980820		
	EP 794940	A1	19970917	EP 1995-938497	19951129 <--
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
	BR 9509852	A	19971230	BR 1995-9852	19951129 <--
	US 5798331	A	19980825	US 1997-849099	19970519 <--
PRAI	GB 1994-24353		19941202 <--		
	WO 1995-GB2785		19951129 <--		

OS MARPAT 125:145634

AB The title derivs. have the general formula R1CH[CH(R2)COR5]CONR3R4 [R1, R2 = C6-22 alkenyl, alkyl, with one of R1 and R2 being H; R3 = polyhydroxy hydrocarbyl; R4 = H, C1-22 hydrocarbyl, R3; R5 = NR3R4, O(AO)nR6; A = alkylene; n = 1-200; R6 = H, C1-22 hydrocarbyl, R1CH(CONR3R4)CH(R2)CO, NR7R8; R7 = H, C1-22 hydrocarbyl; R8 = C1-22 hydrocarbyl; NR7R8 = pyrrolidino, piperidino, morpholino, (un)substituted piperazino, NH(AO)nR9, NH(AO)pCH2CH2OR10; R9 = C1-22 hydrocarbyl; R10 = C1-22 hydrocarbyl, R1CH(CONR3R4)CH(R2)CO]. Dodecenylsuccinic anhydride was esterified with MeOH then treated with N-methylglucamine to obtain dodecenylsuccinic acid bis(N-methylglucamide) (I). A heavy duty nonaq. laundry liq. comprised Na disilicate 2.0, optical brightener 0.3, EDTA 0.2, CM-cellulose 1.0, TiO2 0.2, Na carbonate 4.9, Na tripolyphosphate 40.9, PEG 200 39.4, and I 10.0 parts.

IT 60207-90-1

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(**fungicide**; succinic acid derivs. and their manuf. and uses as surfactants in agrochem. formulations, pigment dispersions, and home

detergents)

IT 25322-68-3

RL: RCT (Reactant)

(reaction with alkenylsuccinic anhydride)

L126 ANSWER 13 OF 25 HCAPLUS COPYRIGHT 2000 ACS

AN 1996:195310 HCAPLUS

DN 124:223762

TI Biodegradable implants for supply of agrochemicals to plants.

IN Hoffmann, Hans-Rainer; Kloczko, Malgorzata; Roreger, Michael

PA LTS Lohmann Therapie-Systeme GmbH und Co Kg, Germany

SO Ger. Offen., 9 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	DE 4432126	A1	19960314	DE 1994-4432126	19940909	<--
	IL 115138	A1	19990620	IL 1995-115138	19950901	<--
	WO 9607311	A1	19960314	WO 1995-EP3473	19950904	<--
	W: AU, CA, CN, CZ, FI, HU, JP, KR, MX, NO, NZ, PL, SI, SK, US					
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE					
	CA 2199612	AA	19960314	CA 1995-2199612	19950904	<--
	AU 9535214	A1	19960327	AU 1995-35214	19950904	<--
	AU 697005	B2	19980924			
	EP 779779	A1	19970625	EP 1995-931984	19950904	<--
	EP 779779	B1	19981125			
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE					
	JP 10505494	T2	19980602	JP 1995-509200	19950904	<--
	HU 77647	A2	19980728	HU 1998-644	19950904	<--
	AT 173578	E	19981215	AT 1995-931984	19950904	<--
	ES 2127556	T3	19990416	ES 1995-931984	19950904	<--
	CN 1216893	A	19990519	CN 1995-194975	19950904	<--
	ZA 9507578	A	19960715	ZA 1995-7578	19950908	<--
	NO 9700990	A	19970304	NO 1997-990	19970304	<--
	US 5914295	A	19990622	US 1997-809656	19970611	<--
PRAI	DE 1994-4432126		19940909			<--
	WO 1995-EP3473		19950904			<--

AB The title implants comprise an insecticide (butocarboxim, dimethoate, fenoxycarb, methomyl, oxamyl, etc.), **fungicide** (benomyl, **bromuconazol**, **bitertanol**, etaconazole, etc.), acaricide (clofentezine, fenbutatin oxide, hexythiazox) or plant growth regulator (ethephon, IAA), incorporated into hydrophobic polymer(s), such as poly(3-hydroxybutyric acid), chitin, poly(.epsilon.-caprolactone), poly(lactic acid) and lignin.

IT 43121-43-3, Triadimefon 55179-31-2, Bitertanol 55219-65-3, Triadimenol 60207-90-1, Propiconazole 66246-88-6, Penconazole 85509-19-9, Flusilazol 116255-48-2, Bromuconazole

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(biodegradable implants for supply of agrochems. to plants)

IT 9004-34-6, Cellulose, uses 24980-41-4, Poly(.epsilon.-caprolactone) 26063-00-3, Poly(3-hydroxybutyric acid), 26100-51-6, Poly(lactic acid)

RL: MOA (Modifier or additive use); USES (Uses)  
(biodegradable implants for supply of agrochems. to plants)

L126 ANSWER 14 OF 25 HCAPLUS COPYRIGHT 2000 ACS

AN 1996:161531 HCAPLUS

DN 124:196498

TI Film-forming aerosol spray formulations of plant pesticides.

IN Hoffmann, Hans-Rainer; Roreger, Michael; Kloczko, Malgorzata

PA LTS Lohmann Therapie-Systeme GmbH und Co. Kg, Germany

SO Ger., 6 pp.

CODEN: GWXXAW  
 DT Patent  
 LA German  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4430449	C1	19960201	DE 1994-4430449	19940827 <--
	CA 2198704	AA	19960307	CA 1995-2198704	19950812 <--
	WO 9606600	A1	19960307	WO 1995-EP3204	19950812 <--
	W: CA, JP, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
WO	9606527	A1	19960307	WO 1995-EP3205	19950812 <--
	W: AU, CA, CN, CZ, FI, HU, JP, KR, MX, NO, NZ, PL, SI, SK, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU	9533450	A1	19960322	AU 1995-33450	19950812 <--
AU	701110	B2	19990121		
EP	777414	A1	19970611	EP 1995-929858	19950812 <--
EP	777414	B1	19990203		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
CN	1157551	A	19970820	CN 1995-194761	19950812 <--
HU	76893	A2	19971229	HU 1997-1501	19950812 <--
JP	10504830	T2	19980512	JP 1995-508442	19950812 <--
JP	10505342	T2	19980526	JP 1995-508322	19950812 <--
AT	176379	E	19990215	AT 1995-929858	19950812 <--
ES	2130638	T3	19990701	ES 1995-929858	19950812 <--
IL	115046	A1	19991028	IL 1995-115046	19950823 <--
ZA	9507167	A	19960417	ZA 1995-7167	19950825 <--
NO	9700361	A	19970128	NO 1997-361	19970128 <--
FI	9700788	A	19970225	FI 1997-788	19970225 <--
US	6103253	A	20000815	US 1997-809311	19970523 <--
PRAI	DE 1994-4430449		19940827 <--		
	WO 1995-EP3204		19950812 <--		
	WO 1995-EP3205		19950812 <--		
AB	The title formulations comprise a pesticide, acrylic or cellulose deriv. polymers, an org. solvent (b.p. 50-180.degree.) and a propellant. Thus, <b>triticonazole</b> was formulated with 2-ethylhexyl acrylate-acrylic acid copolymer, Foral 85, and Et acetate, and filled into aerosol cans, using conventional propellers. The films formed by application of these formulations are rain-fast and biodegradable.				
IT	<b>131983-72-7, Triticonazole</b>				
	RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)				
	(film-forming aerosol spray formulations of plant pesticides)				
IT	<b>9004-34-6D, Cellulose, derivs. 9004-34-6D, Cellulose, esters 9004-34-6D, Cellulose, ethers</b>				
	RL: MOA (Modifier or additive use); USES (Uses)				
	(film-forming aerosol spray formulations of plant pesticides)				

L126 ANSWER 15 OF 25 HCAPLUS COPYRIGHT 2000 ACS

AN 1995:833087 HCAPLUS

DN 123:231747

TI Wood-preservative composition containing copper and its use

IN Buschhaus, Hans-Ulrich; Stroeck, Klaus

PA Bayer A.-G., Germany

SO Ger. Offen., 7 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4339701	A1	19950524	DE 1993-4339701	19931122 <--
	WO 9514558	A1	19950601	WO 1994-EP3687	19941109 <--
	W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, HU, JP, KR, KZ, LK, NO, NZ, PL, RO, RU, SK, UA, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				

AU 9481065            A1    19950613            AU 1994-81065       19941109 <--  
 AU 692488            B2    19980611  
 EP 730517            A1    19960911            EP 1995-900121       19941109 <--  
       R: DE, DK, FR, GB, IT, SE  
 JP 09505248            T2    19970527            JP 1994-514786       19941109 <--  
 PRAI DE 1993-4339701    19931122 <--  
       WO 1994-EP3687    19941109 <--

AB Title compn. contains .gtoreq.1 Cu compd., .gtoreq.1 triazole compd., an alkanolamine or an alkanolamine mixt., and optionally addnl. **fungicides** and/or insecticides. A compn. contains Cu(OH)2CuCO3 14.0, boric acid 7.5, propionic acid 6.0, water 19.0, **propiconazole** 4.0, propylene glycol 6.0, and a mixt. of 25% ethoxylated tallow amine and 75% of ethanolamine 43.5%.

IT **60207-90-1, Propiconazole 107534-96-3, Tebuconazole**  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
       (wood preservative compn. and its use)

IT **25322-68-3D**, Polyethylene glycol, reaction products with tallow amine  
 RL: NUU (Nonbiological use, unclassified); USES (Uses)  
       (wood preservative compn. and its use)

L126 ANSWER 16 OF 25 HCAPLUS COPYRIGHT 2000 ACS  
 AN 1995:410397 HCAPLUS  
 DN 122:162893  
 TI Polyurea microcapsules containing pesticides, their preparation and use  
 IN Haesslin, Hans Walter  
 PA Ciba-Geigy A.-G., Switz.  
 SO Eur. Pat. Appl., 10 pp.  
       CODEN: EPXXDW  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 611253	A1	19940817	EP 1994-810053	19940201 <--
	EP 611253	B1	19981125		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	JP 06238159	A2	19940830	JP 1994-9199	19940131 <--
	AT 173652	E	19981215	AT 1994-810053	19940201 <--
	ES 2123742	T3	19990116	ES 1994-810053	19940201 <--
	RU 2126628	C1	19990227	RU 1994-3826	19940204 <--
	CA 2115119	AA	19940810	CA 1994-2115119	19940207 <--
	IL 108570	A1	19980104	IL 1994-108570	19940207 <--
	ZA 9400839	A	19940809	ZA 1994-839	19940208 <--
	AU 9454985	A1	19940811	AU 1994-54985	19940208 <--
	AU 671331	B2	19960822		
	BR 9400463	A	19940927	BR 1994-463	19940208 <--
	CN 1093220	A	19941012	CN 1994-101362	19940208 <--
	HU 68808	A2	19950728	HU 1994-359	19940208 <--
	HU 213841	B	19971128		
	AU 9671951	A1	19970130	AU 1996-71951	19961122 <--
PRAI	US 1993-14972		19930209 <--		

AB Microcapsules having a capsule wall of polyurea are prepd. by interfacial reaction of an aq. dispersion of a soln. of a polyisocyanate in a water-immiscible pesticide and an aq. soln. of a polyamine in the presence of a polymeric nonionic surfactant that contains at least a hydrophobic block and a hydrophilic block. Emulsifying a soln. contg. Solvesso 10.0, epoxidized soybean oil 7.0, 4,4'-MDI 5.4, and Diazinon 48 g in 71.1 g water contg. 1.6 g Synperonic PEF 108, adding 2.2 g HMDA as a 60% aq. soln., and stirring for 3-4 h gave a capsule suspension having viscosity 50 mPa-s, median particle diam. 15-25 .mu.m, and active ingredient 315 g/L.

IT **60207-90-1**  
 RL: MSC (Miscellaneous)

(prepn. of polyurea microcapsules contg. pesticides)  
 IT **9003-39-8**, Antara 430 **116219-49-9**, Vinyl  
 acetate-vinylpyrrolidone block copolymer  
 RL: NUU (Nonbiological use, unclassified); USES (Uses)  
 (surfactant; prepn. of polyurea microcapsules contg. pesticides)

L126 ANSWER 17 OF 25 HCAPLUS COPYRIGHT 2000 ACS

AN 1994:527874 HCAPLUS

DN 121:127874

TI Microcapsule formulations of agricultural chemicals.

IN Beestman, George Bernard

PA du Pont de Nemours, E. I., and Co., USA

SO PCT Int. Appl., 22 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9413139	A1	19940623	WO 1993-US11523	19931202 <--
	W: AU, BB, BG, BR, BY, CA, CZ, FI, HU, JP, KP, KR, KZ, LK, LV, MG,				
	MN, MW, NO, NZ, PL, RO, RU, SD, SK, UA, US, UZ, VN				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,				
	BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	CA 2150920	AA	19940624	CA 1993-2150920	19931202 <--
	AU 9456813	A1	19940704	AU 1994-56813	19931202 <--
	AU 672465	B2	19961003		
	EP 671878	A1	19950920	EP 1994-902441	19931202 <--
	R: BE, CH, DE, ES, FR, GB, GR, IT, LI, NL, SE				
	JP 08504206	T2	19960507	JP 1993-514213	19931202 <--
PRAI	US 1992-987903		19921204 <--		
	WO 1993-US11523		19931202 <--		
AB	A compn. comprises highly-concd. microcapsules, contg. pesticides and having a skin or shell wall of polyurea, polyamide, polysulfonamide, polyester, polycarbonate or polyurethane, suspended in an aq. liq. contg. an emulsifier, which is a random co- or terpolymer of vinylpyrrolidone, that forms a stable oil-in-water emulsion. The compn. is prepd. by mixing a liq. water-immiscible pesticide with a first shell wall component to form an oil-in-water emulsion and then adding a 2nd shell wall component to the emulsion causing the first shell wall component to react with the 2nd wall component to form a skin of polycondensate shell wall about the pesticide. Alternatively, when the first shell wall component is an isocyanate, this component is allowed to hydrolyze to form amine groups which react with residual isocyanate to generate a shell wall of polyurea. The suspensions may be used directly or dried to form water-dispersible formulations of microcapsules. Alachlor (200 g), contg. 13.9 g PAPI, was emulsified into 152.38 g water contg. 10 g Agrimex DAQ-300. To the emulsion was added 13.9 g 43.37% hexamethylenediamine, 32.8 g NaCl and 22 g Kelzan, to give a microcapsule formulation.				
IT	<b>25086-89-9</b> , Agrimer VA 6				
	RL: BIOL (Biological study)				
	(emulsifier, for pesticide microencapsulation, in polyurea, by interfacial polycondensation)				
IT	<b>85509-19-9</b> , Flusilazole				
	RL: PROC (Process)				
	(microencapsulation of, in polyurea, by interfacial polycondensation)				

L126 ANSWER 18 OF 25 HCAPLUS COPYRIGHT 2000 ACS

AN 1994:452420 HCAPLUS

DN 121:52420

TI Preparation of microcapsules using a salt of a partial ester of a styrene-maleic anhydride copolymer.

IN Lo, Chien-cho

PA Ciba-Geigy Corp., USA

SO U.S., 7 pp. Cont.-in-part of U.S. Ser. No. 818,029, abandoned.

CODEN: USXXAM

DT Patent  
LA English  
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5310721	A	19940510	US 1993-52510	19930427 <--
	AT 156728	E	19970815	AT 1992-811017	19921222 <--
	BR 9205208	A	19930706	BR 1992-5208	19921230 <--
	AU 9230465	A1	19930708	AU 1992-30465	19921230 <--
	AU 651511	B2	19940721		
	HU 65767	A2	19940728	HU 1992-4183	19921230 <--
	ZA 9210100	A	19960306	ZA 1992-10100	19921230 <--
	RU 2089062	C1	19970910	RU 1992-16247	19921230 <--
	CA 2086583	AA	19930704	CA 1992-2086583	19921231 <--
	IL 104286	A1	19961031	IL 1992-104286	19921231 <--
	JP 05269367	A2	19931019	JP 1993-15828	19930104 <--

PRAI US 1992-818029 19920103 <--

AB Microcapsules are prepd., having a wall of a solid polymer which encloses a water-immiscible pesticide. A first reactive component, required to form the capsule wall, is dissolved in the water-immiscible pesticide. The soln. is dispersed in an aq. medium contg. a surfactant, which is a salt of a partial ester of a styrene-maleic anhydride copolymer, such as SMA 1440H, to form an oil-in-water emulsion. A second reactive component, required to form the capsule wall, is added. A solid polymeric wall is formed about the dispersed water-immiscible material. The resulting stable aq. suspension of microcapsules can either be used directly or after diln. with water, or the microcapsules can be sepd. from the aq. phase. A soln. of 3.48 g Mondur MR in 50 g metolachlor was dispersed in a soln. of 1.08 g SMA 1440H in 49.7 g water, followed by the addn. of 2.15 g HMDA and 1.07 g Siponate DSB (di-Ph oxide disulfonate) to give a microcapsule suspension.

IT **9011-13-6D**, Styrene-maleic anhydride copolymer, partial esters, salts

RL: BIOL (Biological study)  
(microcapsules, for pesticides)

IT **60207-90-1, Propiconazole**

RL: PROC (Process)  
(microencapsulation of, in polyurea)

L126 ANSWER 19 OF 25 HCAPLUS COPYRIGHT 2000 ACS

AN 1994:109959 HCAPLUS

DN 120:109959

TI Purification of compounds by crystallization

IN Reuter, Karl

PA Sandoz Ltd., Switz.; Sandoz-Patent-G.m.b.H.; Sandoz-Erfindungen  
Verwaltungsgesellschaft m.b.H.

SO Eur. Pat. Appl., 9 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 548028	A1	19930623	EP 1992-811006	19921216 <--
	EP 548028	B1	19990929		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
	US 5872259	A	19990216	US 1992-991693	19921216 <--
	AT 185085	E	19991015	AT 1992-811006	19921216 <--
	ES 2138967	T3	20000201	ES 1992-811006	19921216 <--
	JP 05293302	A2	19931109	JP 1992-337264	19921217 <--

PRAI GB 1991-26832 19911218 <--

AB Compds., such as isomers, stereoisomers, and homologs, are sepd. from an aggregate mixt. by crystn. in a three-phase system where the first phase is the mixt., the second phase is a transport phase in which the desired compd. is substantially insol., and the third phase is a seed material for crystn. The method is esp. suitable for sepg. fluvalinate,



IT Tau-fluvalinate, and **ciproconazole**.  
**9002-89-5**, Poly(vinyl alc.)  
 RL: USES (Uses)  
 (in purifn. of org. compds. by crystn.)  
 IT **94361-06-5P, Ciproconazole**  
 RL: PUR (Purification or recovery); PREP (Preparation)  
 (purifn. of, crystn. process for)

L126 ANSWER 20 OF 25 HCAPLUS COPYRIGHT 2000 ACS

AN 1993:597755 HCAPLUS  
 DN 119:197755  
 TI Pesticide microcapsules.  
 IN Lo, Chien Cho  
 PA Ciba-Geigy A.-G., Switz.  
 SO Eur. Pat. Appl., 9 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 551796	A2	19930721	EP 1992-811017	19921222 <--
	EP 551796	A3	19930811		
	EP 551796	B1	19970813		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	AT 156728	E	19970815	AT 1992-811017	19921222 <--
	BR 9205208	A	19930706	BR 1992-5208	19921230 <--
	AU 9230465	A1	19930708	AU 1992-30465	19921230 <--
	AU 651511	B2	19940721		
	HU 65767	A2	19940728	HU 1992-4183	19921230 <--
	ZA 9210100	A	19960306	ZA 1992-10100	19921230 <--
	RU 2089062	C1	19970910	RU 1992-16247	19921230 <--
	CA 2086583	AA	19930704	CA 1992-2086583	19921231 <--
	IL 104286	A1	19961031	IL 1992-104286	19921231 <--
	JP 05269367	A2	19931019	JP 1993-15828	19930104 <--
PRAI	US 1992-818029		19920103	<--	

AB Highly-concd. stable pesticide microcapsule suspensions are obtained by microencapsulation via interfacial polymn., using salts of partial esters of styrene-maleic anhydride copolymers, preferably SMA Resins. The wall material may also comprise a polyurea. A stirred dispersion of 3.48 g Mondur MR and 50 g metolachlor in a soln. of 1.08 g SMA Resin 1440H in 49.7 g water, was treated with 2.15 g hexamethylenediamine, to give microcapsules.  
 IT **60207-90-1, Propiconazole**  
 RL: PROC (Process)  
 (microencapsulation of, in poly(styrene-maleic anhydride) partial ester salts)  
 IT **9011-13-6D**, Styrene-maleic anhydride copolymer, salts of partial esters  
 RL: BIOL (Biological study)  
 (pesticides microencapsulation in)

L126 ANSWER 21 OF 25 HCAPLUS COPYRIGHT 2000 ACS

AN 1992:36277 HCAPLUS  
 DN 116:36277  
 TI Nitrite-containing aqueous wood preservative compositions with improved penetration.  
 IN Cornfield, Judith Ann; Waldie, Christopher  
 PA Hickson International PLC, UK  
 SO PCT Int. Appl., 30 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

PI WO 9111306 A1 19910808 WO 1991-EP210 19910201 <--  
W: AU, BR, CA, FI, JP, NO, US  
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE  
AU 9170766 A1 19910821 AU 1991-70766 19910201 <--  
ZA 9100769 A 19911127 ZA 1991-769 19910201 <--  
PRAI GB 1990-2367 19900202 <--  
GB 1990-17111 19900803 <--  
GB 1990-26091 19901130 <--  
WO 1991-EP210 19910201 <--  
AB An aq. wood preservative compn. comprises a biocidal cation (free cation or as a part of a complex) and NO<sub>2</sub><sup>-</sup> (free anion or as part of a complex) at pH >6.5. When the pH is >9.5 and the compn. contains NH<sub>3</sub> or an amine, the compn. may not contain a quaternary ammonium salt. The compn. penetrates wood more extensively and results in greater uptake of preservative than the known alkyne compns. contg. both NH<sub>3</sub> or amines and a quaternary ammonium salt. A preservative compn. contained CuSO<sub>4</sub>.5H<sub>2</sub>O 1.18, Na heptonate 0.625, H<sub>3</sub>BO<sub>3</sub> 0.79, NaNO<sub>2</sub> 1.31, H<sub>2</sub>O 100 g and NaOH adequate to a pH 8.0. The compn., tested on Pinus sylvestris specimens, showed 100% subwood penetration.  
IT **9003-01-4D**, Poly(acrylic acid), salts **107534-96-3**, **Tebuconazole**  
RL: BIOL (Biological study)  
(wood preservatives contg., with improved penetration)

L126 ANSWER 22 OF 25 HCAPLUS COPYRIGHT 2000 ACS

AN 1991:673481 HCAPLUS

DN 115:273481

TI Stabilization of nonaqueous pesticide suspensions with polymers.

IN Hermansky, Clarence Gaetano

PA du Pont de Nemours, E. I., and Co., USA

SO Eur. Pat. Appl., 19 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 420497	A1	19910403	EP 1990-310279	19900919 <--
	EP 420497	B1	19940427		
	R: GR				
	CA 2066759	AA	19910322	CA 1990-2066759	19900919 <--
	WO 9103937	A1	19910404	WO 1990-US5213	19900919 <--
	W: AU, BR, CA, HU, JP, KR, RO, SU, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, IT, LU, NL, SE				
	AU 9064322	A1	19910418	AU 1990-64322	19900919 <--
	AU 641435	B2	19930923		
	BR 9007665	A	19920602	BR 1990-7665	19900919 <--
	EP 493471	A1	19920708	EP 1990-914319	19900919 <--
	R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE				
	HU 60590	A2	19921028	HU 1992-948	19900919 <--
	JP 05500507	T2	19930204	JP 1990-513448	19900919 <--
	AT 104825	E	19940515	AT 1990-310279	19900919 <--
	ES 2063287	T3	19950101	ES 1990-310279	19900919 <--
	ZA 9007574	A	19920527	ZA 1990-7574	19900921 <--
	US 5599768	A	19970204	US 1994-336602	19941109 <--
PRAI	US 1989-410656		19890921 <--		
	EP 1990-310279		19900919 <--		
	WO 1990-US5213		19900919 <--		
	US 1992-842200		19920319 <--		
AB	A stabilized suspension consists of .gtoreq.1 active ingredient (e.g. herbicide, insecticide) 0.1-50, org. solvent (e.g. xylene, chlorotoluene) 20-99, and .gtoreq.1 suspending agent 0.5-20 %. The active ingredient is insol. in the org. solvent. The process comprises adding to the suspension .gtoreq.1 water-sol. polymer [poly(vinyl acetate), poly(vinyl alc.), etc.] 0.1-15, and >1 protic solvent (e.g. water, alc., thiol) 0.5-20 wt.%. A compn. contained <b>flusilazol</b> 24.3, carbendazim 12.1, Atlox 3453F				

30, Halso 99 8.6, Bentone 38 0.5, Aerosil 200 2.0, xylene 22.5, poly(vinyl Me ether) 2.5, and water 2.5%. The formulation has long shelf-life.

IT **9003-01-4D**, Poly(acrylic acid), modified **9003-20-7**, Poly(vinyl acetate) **9003-39-8**, Poly(vinyl pyrrolidone) **9004-34-6**, Cellulose, biological studies **9011-13-6**, SMA **25322-69-4**, Poly(propylene glycol)  
RL: BIOL (Biological study)  
(pesticide suspension stabilization by)

IT **85509-19-9, Flusilazol**  
RL: BIOL (Biological study)  
(suspension of, stable)

L126 ANSWER 23 OF 25 HCAPLUS COPYRIGHT 2000 ACS

AN 1989:548942 HCAPLUS

DN 111:148942

TI Latex-based agricultural compositions

IN Smith, Geoffrey William; Mulqueen, Patrick Joseph; Paterson, Eric Simmers; Cuffe, John

PA Dow Chemical Co., UK

SO PCT Int. Appl., 47 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8903176	A1	19890420	WO 1988-GB863	19881014 <--
	W: JP, US				
	RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
	EP 381691	A1	19900816	EP 1988-909101	19881014 <--
	EP 381691	B1	19921007		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	JP 03501846	T2	19910425	JP 1988-508372	19881014 <--
	AT 81253	E	19921015	AT 1988-909101	19881014 <--
PRAI	GB 1987-24132		19871014 <--		
	GB 1987-24133		19871014 <--		
	GB 1988-17930		19880727 <--		
	EP 1988-909101		19881014 <--		
	WO 1988-GB863		19881014 <--		

AB An agricultural compn. is given, comprising at least a first active pesticide component, and at least one other active component (pesticide or fertilizer). At least one of the other active component is physico-chem., chem. or biol. incompatible with the first pesticidal component, the compn. being in the form of an aq. dispersion having a continuous aq. phase, and at least a first dispersed phase. The compn. comprises at least one emulsifying surfactant in an amt. sufficient to render the compn. water-dispersible. The first dispersed phase contains particles derived from a latex. The first pesticidal component is present in the compn. wholly within the first dispersed phase, and the other at least one active ingredient is all present either in the continuous aq. phase, or in a second dispersed phase, whereby the incompatibility is reduced or eliminated. A 3:1 mixt. of fluroxypyr 1-methylheptyl ester and bifenoxy was mixed with 12 g Pluriol PE6100 and 4 g Pluriol PE6200 and stirred into 40 g styrene-Bu acrylate latex, followed by addn. to a com. bifenoxy aq. suspension conc. (55.4 g) and diln. with water to 100 mL. Applied to barley, at 200 L/ha, the compn. showed only slight phytotoxicity. The pesticides were **fungicides**, insecticides or herbicides.

IT **60207-90-1, Propiconazole 88671-89-0, Myclobutanil**  
RL: BIOL (Biological study)  
(agrochem. formulation contg., latex-based)

IT **9003-55-8**, Dow Latex DL 893  
RL: BIOL (Biological study)  
(pesticide formulations contg.)

L126 ANSWER 24 OF 25 HCAPLUS COPYRIGHT 2000 ACS

AN 1989:548930 HCAPLUS  
 DN 111:148930  
 TI Pesticide dispersions containing latexes  
 IN Smith, Geoffrey William; Mulqueen, Patrick Joseph; Paterson, Eric Simmers;  
 Cuffe, John  
 PA Dow Chemical Co., UK  
 SO PCT Int. Appl., 48 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8903175	A1	19890420	WO 1988-GB862	19881014 <--
	W: JP, US				
	RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
	EP 393069	A1	19901024	EP 1988-909105	19881014 <--
	EP 393069	B1	19930811		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	JP 03501845	T2	19910425	JP 1988-508371	19881014 <--
	AT 92711	E	19930815	AT 1988-909105	19881014 <--
	US 5321049	A	19940614	US 1990-469426	19900405 <--
PRAI	GB 1987-23133		19871014 <--		
	GB 1987-24132		19871014 <--		
	GB 1988-17930		19880727 <--		
	GB 1987-24133		19871014 <--		
	EP 1988-909105		19881014 <--		
	WO 1988-GB862		19881014 <--		

AB A stabilized water-dilutable pesticidal compn. is manufd. by treating a pesticide soln. in a water-immiscible solvent with an emulsifier and an aq. polymer latex, to form a dispersion of the pesticide particles in water. The pesticide and the water-immiscible solvent together comprise >10% of the compn. The compn. is water-dilutable, at least to a diln. of 50:1 by wt. Polystyrene latex (250 g) contg. 50 g ethoxylated alc. surfactant was added to 428 g of a 70% soln. of chlorpyrifos in xylene, to give a compn. which was stable for .gtoreq.6 mo. In the presence of the latex, the compn. was not stable.

IT **88671-89-0, Myclobutanil**

RL: PROC (Process)

(dispersion of, dilutable, polymer latex in)

IT **9003-20-7, Vinamul 8330 9003-39-8, Antara 430**  
**9003-53-6, Texicote 57-0033 9003-55-8 24937-78-8**  
 , Vinamul 3254

RL: BIOL (Biological study)

(pesticidal dispersion contg. polymer latex and)

L126 ANSWER 25 OF 25 HCAPLUS COPYRIGHT 2000 ACS

AN 1987:191231 HCAPLUS

DN 106:191231

TI Process for producing pesticide microcapsules made of polyurea

IN Haesslin, Hans Walter; Hopkinson, Michael J.

PA Ciba-Geigy A.-G., Switz.

SO Eur. Pat. Appl., 34 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 214936	A2	19870318	EP 1986-810406	19860908 <--
	EP 214936	A3	19890802		
	EP 214936	B1	19920708		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	AT 77916	E	19920715	AT 1986-810406	19860908 <--
	IL 80009	A1	19891215	IL 1986-80009	19860911 <--
	CA 1292678	A1	19911203	CA 1986-517943	19860911 <--

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